



Arlington Tanker Truck Rollover

May 31, 2013





Incident Location

188 Medford Street, Arlington





Initial Notification and Response Timeline

- Release occurs at approximately 4:15 PM
- Local Fire Department and Police Resources immediately begin arriving on scene
 - District 2 Hazmat Team called in
- MassDEP receives first call at 4:25 PM
 - MassDEP Primary ER Responder Dispatched
 - MassDEP FAST Team mobilized
 - State contractor Moran Environmental mobilized



Initial Notification and Response Timeline (Cont.)

- PRP Identity Established (JP Noonan) – 4:45 PM
 - JP Noonan contacted immediately
 - Noonan's Contractor, Clean Harbors, also contacted
- Volume of oil lost estimated at 10,000 gallons
- Field reports indicated significant impacts to the Mystic River, call for resources – 5:15 PM
- MassDEP mobilized Spill Response Trailer and additional personnel – on site at 6:30 PM



MassDEP Spill Trailer



6/20/2013



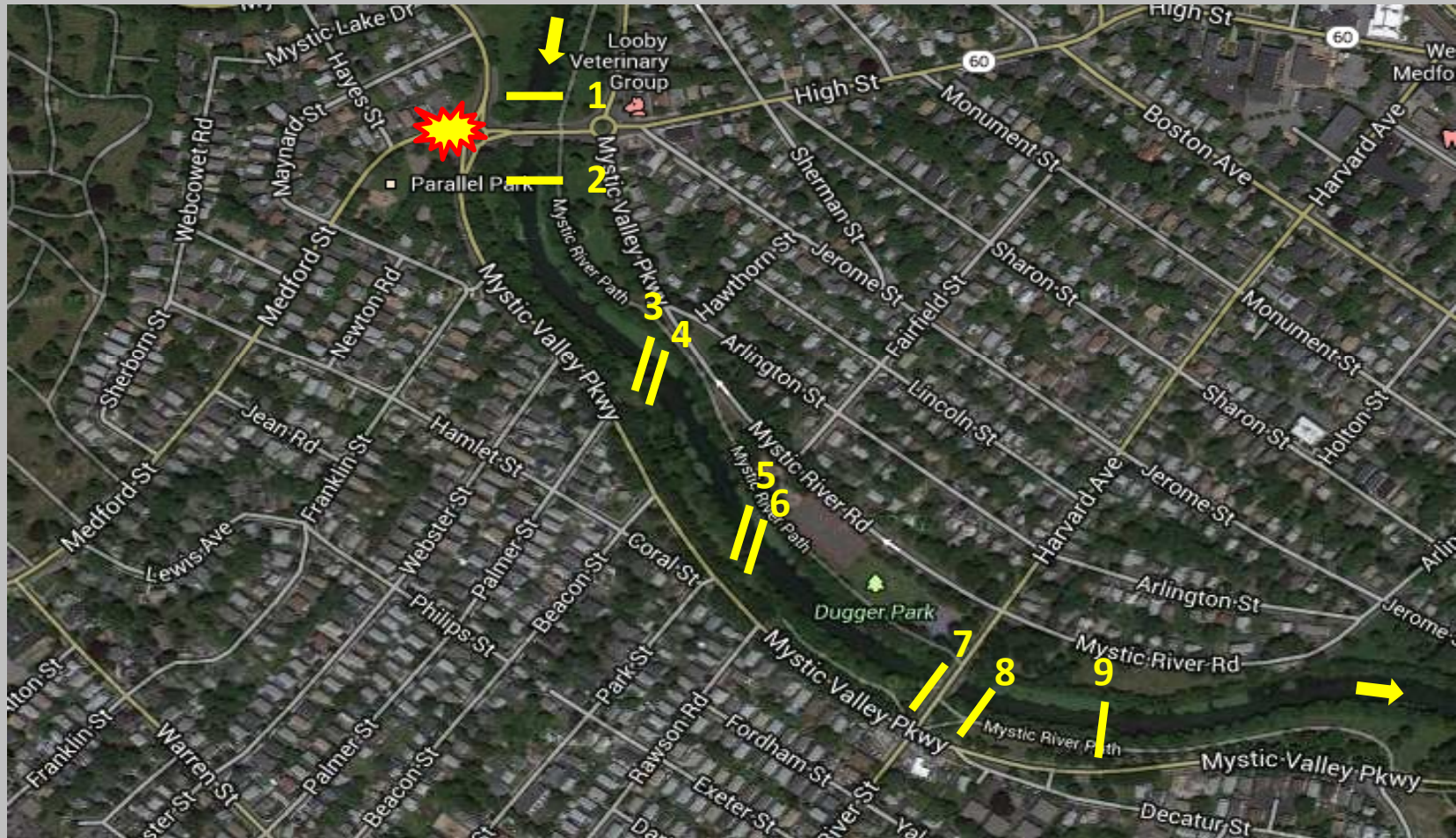
Boom Deployment



6/20/2013



Boom Locations





Recovery via Drum Skimmer





Oil Recovery Day 2

Saturday, June 1, 2013





Oil Migration

(compliments of DCR)





Open Water Skimmer





Skimmer Touchdown

(causes breach in adjacent boom)





Oil Breach Contained



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Oil Breach Recovery





Boom Restored to Pre-Breach Condition





Open Water Boat Skimmer in Operation





Open Water Boat Skimming Halfway Complete





Open Water Boat Skimming Complete





Recovery Results to Date

- 1,800 gallons of oil recovered within 12 hours
- 6,000 gallons of oil recovered within 24 hours
- 7,200 gallons of oil recovered within 48 hours
- Approximately 1,000 gallons of oil estimated recovered via absorbents/passive recovery
- Total of 8,200 gallons (or 82% recovery)
- Assuming 10% volatilization (92% accounted for)



FAST Mobile Laboratory





FAST - Air and Water Sampling Locations





Results of Air Testing

- Approx. Total Diesel Vapors:
 - AA-1: 0.3 – 0.4 ppmv
 - AA-2: 0,2 – 0.3 ppmv
 - AA-3: Not detected
 - AA-4: 0.5 – 0.8 ppmv
 - IA-1: 0.2 – 0.3 ppmv

Levels considered safe for short term: 1.5 ppmv



Results of River Testing

- Chemical Upstream Mid Downstream

• Benzene	ND	ND	ND
• Toluene	ND	ND	2
• Ethylbenzene	ND	ND	2
• Xylenes	ND	ND	8
• 1,3,5-TMB	ND	ND	3
• 1,2,4-TMB	ND	ND	10

(units in ug/L or ppb)